Zito, Jr. et al.

[45] **Nov. 18, 1975**

[54]	METHOD OF OPERATING A FUEL CELL USING SULFIDE FUEL		3,294,586 12/1966 LeDuc 136/86 FOREIGN PATENTS OR APPLICATIONS
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[22]	Filed:	May 25, 1972	Hieken
[21]	l] Appl. No.: 256,924		[57] ABSTRACT
[52] [51] [58] [56]	1] Int. Cl		A fuel cell with all-liquid feed and effluent is made feasible through the use of fuels comprising a liquid source of sulfide ion. The fuel cell comprises anolyte and catholyte compartments, and anode and cathode electrodes. The compartments are separated by an ion-transfer or mechanically porous membrane or the like. Gas producing reactions are suppressed through competing liquid product reactions.
3,150, 3,252, 3,260,	837 5/19	66 Satterfield 136/86	9 Claims, 12 Drawing Figures